

### REMARKS

Applicants thank Examiner Mertz for the courtesy of a telephonic interview with Applicants' attorney, Diana Collazo, during which the outstanding Restriction Requirement was discussed.

Claims 1-34 are pending. Claims 1-5 have been amended to be directed to polypeptides having the particular amino acid sequence provided, or the specified sequence homology to SEQ ID NO:1 or 2. No new subject matter has been added.

#### **Response to Restriction Requirement Under 35 U.S.C. §121**

For the purpose of being responsive to the Restriction Requirement dated April 25, 2001, Applicants hereby elect the invention of Group I, claims 1-5 drawn to a polypeptide having the amino acid sequence of SEQ ID NO:1, with traverse. Applicants respectfully request rejoinder of the inventions of Groups I and II for the reasons set forth below.

As discussed during the telephonic interview with Examiner Mertz, the claims of Group II, claims 1-5, are drawn to polypeptides having the amino acid sequence of SEQ ID NO:2. SEQ ID NO:2 is a subsequence of SEQ ID NO:1 that lacks amino acids 1-368 of SEQ ID NO:1 (shown in schematic form in Figure 1, submitted herewith). Thus, a prior art search for SEQ ID NO:1 will necessarily uncover art relevant to SEQ ID NO:2, posing no additional burden on the Examiner. Given the relationship between these sequences, Applicants respectfully ask the Examiner to rejoin the inventions of Groups I and II.

Applicant : Shin-Ichi Funahashi et al.  
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Attorney's Docket No.: 06501-056001 /  
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### SUMMARY

If a telephone conversation with Applicants' Attorney would expedite the prosecution of the above-identified application, the Examiner is urged to call Applicants' Attorney at (617) 542-5070.

A petition for an extension of time and check for the required fee are being filed concurrently herewith. Please apply any additional charges or credits to Deposit Account No. 06-1050, referencing attorney docket number 06501-056001.

Respectfully submitted,

Date: June 25, 2001

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**Version with markings to show changes made**

**In the claims:**

Claims 1-4 have been amended as follows:

1. (First Time Amended) A substantially pure polypeptide comprising an amino acid sequence at least 85% identical to [any one of] SEQ ID NOs:1[, ] or 2[, 82, 83, or 84], wherein the polypeptide contains a PDZ domain sequence.
2. (First Time Amended) The polypeptide of claim 1, wherein the amino acid sequence is at least 90% identical to [any one of] SEQ ID NOs:1[, ] or 2[, 82, 83, or 84].
3. (First Time Amended) A substantially pure polypeptide comprising the sequence of [any one of] SEQ ID NOs: 1[, ] or 2[, 82, 83, or 84].
4. (First Time Amended) A substantially pure polypeptide comprising the amino acid sequence of [any one of] SEQ ID NOs: 1[, ] or 2[, 82, 83, or 84], with up to 50 conservative amino acid substitutions, wherein the polypeptide contains a PDZ domain sequence.
5. (First Time Amended) A substantially pure polypeptide encoded by a nucleic acid that hybridizes under high stringency conditions to a probe the sequence of which consists of [any one of] SEQ ID NOs:3, 59, 75, 78, 79, 80, or 81, [85, 86, or 87,] wherein the polypeptide contains a PDZ domain sequence.